



Sigma Polychem Pvt. Ltd.

POLYMIX-AR®

(ACRYLIC Emulsion cement modified
Moral and concrete bonding Agent)

GENERAL DESCRIPTION

SIGMACHEME'S POLYMIX-AR is a most versatile copolymer dispersion admixtures. For use in multiple purposes related to civil structure.

ADVANTAGE

When used as suggested, it shows following transformed properties.

- 1.) Tensile strength increases by 50-60% after 28 days.
- 2.) flexural strength increases by 60-90% after 28 days.
- 3.) Pull out test increases by 100% after 28 days.
- 4.) Chemical Resistance to mild acids, alkalies, sulphates, carbonation.
- 5.) High adhesion to concrete, brick, steel etc.
- 6.) Its use enhances the durability of civil structure.
- 7.) Its use as a secondary binder in cementitious mixes improves toughness along with tensile and flexural strengths.

Note

The above data are practically collected and checked on various samples of mixture of mixture of 5 kg. of fresh OPC+15 kg. of Quartz Sand + 1 kg. of with relative quantity of water.

Use

Sigmacheme's POLYMIX-AR is the most sought after

- 1.) Rehabilitation and retrofitting of heritage structure.

- 2.) For repairing faulty concrete surface, flooring screeds and interior renderings.
- 3.) Provides durable repairs to spalled concrete flooring beams, columns slabs, foundation etc.
- 4.) Repairing finished concrete elements, artificial stone.
- 5.) For repairing surface damage without adversely affecting the quality element.

APPLICATION GUIDELINES

- 1.) Ensure that all concrete, brick or similar surface are in sound condition and free from any loose dirt, oil, greas, foreign matter, etc. Wash the surface, thoroughly with clean water
- 2.) Pre wet The surface. Make a homogeneous slurry by mixing cement and SIGMACHEME'S in a ration of 1:1 by weight Apply this slurry as a bonding coat before laying our recommended mix of POLYMIX-AR.
- 3.) Prepare mix of POLYMIX-AR, cement and Quartz Sand in 1:5:15 parts by weight. Care to taken that sand and cement has to be mixed dry first and required dosage of POLYMIX-AR, And water to be mixed gradually to achieve required consistency.
- 4.) Ensure that the bonding coat is tacky at the time of laying above recommended mortar. The mortar is now laid in approximate layer of 8mm-10mm each.

COVERAAGE

The mortar so prepared i.e. 2kg. covers approximately 10sqft. In 10mm. Thickness.

SHELF LIFE

Up to 12 months when kept in cool dry place in tightly sealed containers.

PACKING Available in 1kg., 5kg., 10kg. and 20kg. Packing